Accelerator Division Safety (2006 Shutdown)

R. Dixon

Overview

- Welcome
- Safety Awareness (Movie)
- AD Safety Plan and Goals
- Some statistics
- Our Responsibilities--Reminders
- Safety tools
- Summary

Welcome

Thank you for your contributions to a spectacular year for the AD and the Laboratory. Last year I told you that you are

"an extraordinary collection of people who often make the impossible seem routine. It is a pleasure to be your Division Head!"

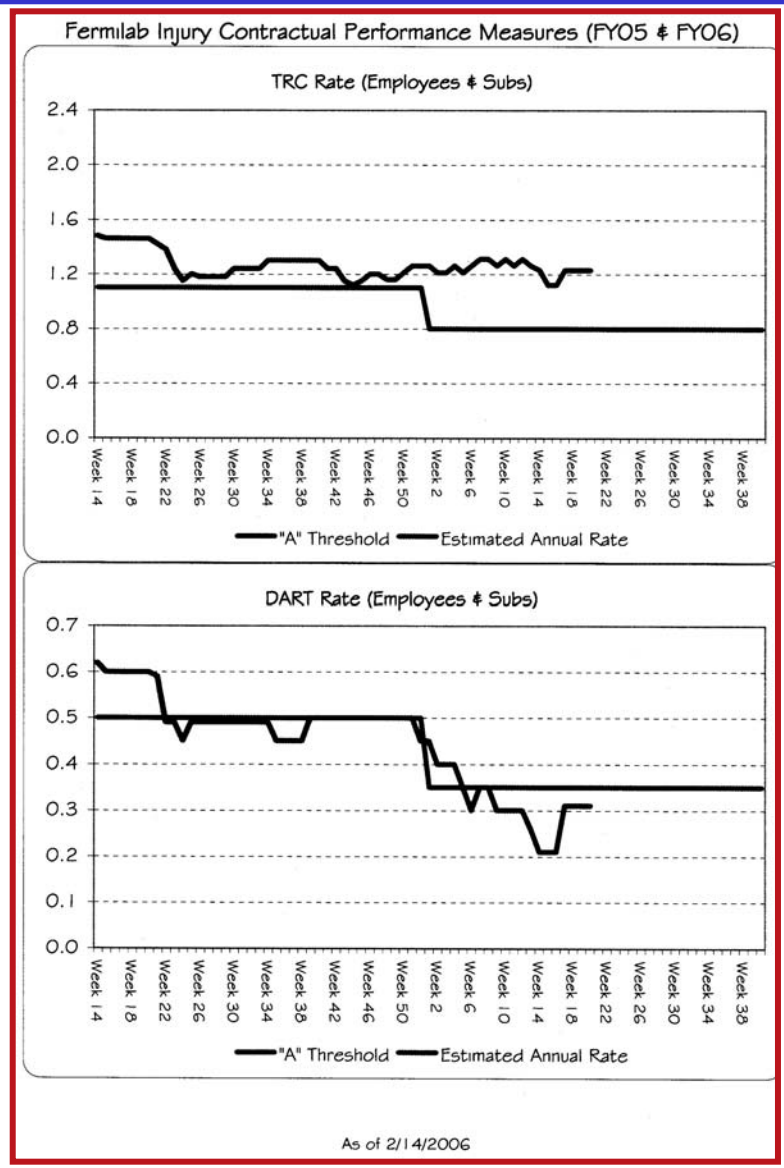
During the past year you have helped set numerous luminosity and intensity records, commissioned a new neutrino beam, and maintained an outstanding safety record!

Thanks!!

Safety Awareness

- This meeting is to increase your safety awareness
  - Accidents happen when we are not expecting them-- Duh
  - Being aware of the possibilities always helps
- It is extremely important for the Laboratory and the Accelerator Division to meet our safety goals
- More important, it could be crucial to you own personal life
- You must take responsibility for yourself and others
- Movie

Laboratory Goals



AD ES&H Plan Points

1. √ Continue our efforts to actively solicit safety suggestions and track viable suggestions to completion.
2. Conduct a division-wide safety talk
3. √ Task the AD ESH Committee with reviewing the effectiveness of the AD ES&H Plan.
4. Task the AD ESH Committee with coordinating and conducting a review of the AD ES&H Department.
5. Provide AD departments with an ESH representative who will attend department meetings to assist in identifying activities where ESH Department resources can/should be applied.
6. Continue cleanup efforts within the division.

Summary of recordable injuries

- Entire Laboratory
  - 2 - Head
  - 1 - Eyes
  - 3 - Shoulders
  - 2 - Back
  - 7 - Hands
  - 4 - Fingers
  - 1 - Leg
  - 1 - Knee
  - 1 - Ankle
- Total - 22

- Accelerator Division
  - 1 - Head
  - 1 - Shoulders
  - 1 - Back
  - 1 - Hands
  - 1 - Fingers
  - 1 - Knee
  - 1 - Ankle
- Total - 7

Total Injuries Reported

- **Fermilab**
  - 1 - 2nd Or 3rd Degree Burn
  - 7 - Abrasion
  - 2 - Avulsion
  - 4 - Burn
  - 14 - Contusion
  - 1 - Foreign Object (Skin)
  - 4 - Fracture
  - 19 - Insect Sting
  - 3 - Irritation
  - 20 - Laceration
  - 2 - Noise
  - 2 - Other
  - 4 - Pain Or Ache
  - 2 - Puncture
  - 3 - Repetitive Motion
  - 3 - Skin Condition
  - 6 - Sprain
  - 25 - Strain
- **Accelerator Division**
  - 1 - 2nd Or 3rd Degree Burn
  - 4 - Abrasion
  - 1 - Avulsion
  - 2 - Burn
  - 2 - Contusion
  - 1 - Foreign Object (Skin)
  - 1 - Fracture
  - 2 - Insect Sting
  - 1 - Irritation
  - 6 - Laceration
  - 1 - Other
  - 1 - Sprain
  - 6 - Strain

Safety Priorities and Responsibilities

- Safety Priorities
  1. Individual Safety
     1. This is about all of us
  2. Division Safety Goals
     1. Goals help us to achieve safety awareness
  3. Statistics
     1. Inform us how well we are doing
- Responsibilities
  - Do not take unnecessary risks
    - to meet operating schedules
    - To save your own time
    - To please your supervisor
  - Watch out for yourself AND your fellow workers
  - Plan you work to minimize risks. Do a hazard analysis
  - Report all safety hazards that you can't fix remedy
  - Report all injuries
  - Make suggestions for improvements when you think you see a better way of doing something

Issues

- Reporting problems, making suggestions, stopping unsafe work
  - Some people are uncomfortable pointing out safety issues to other people
    - Suggestion boxes (anonymous)
    - Talk to Committee member or someone you are comfortable with
- Achieving goals vs honest reporting
  - Report ALL Injuries
    - If not reported you risk a more serious condition
    - We would rather have the real statistics so that we can work on the real problem
- Pressure to operate
  - Safety must not be compromised
  - We must find a way to accomplish our scientific goals safely

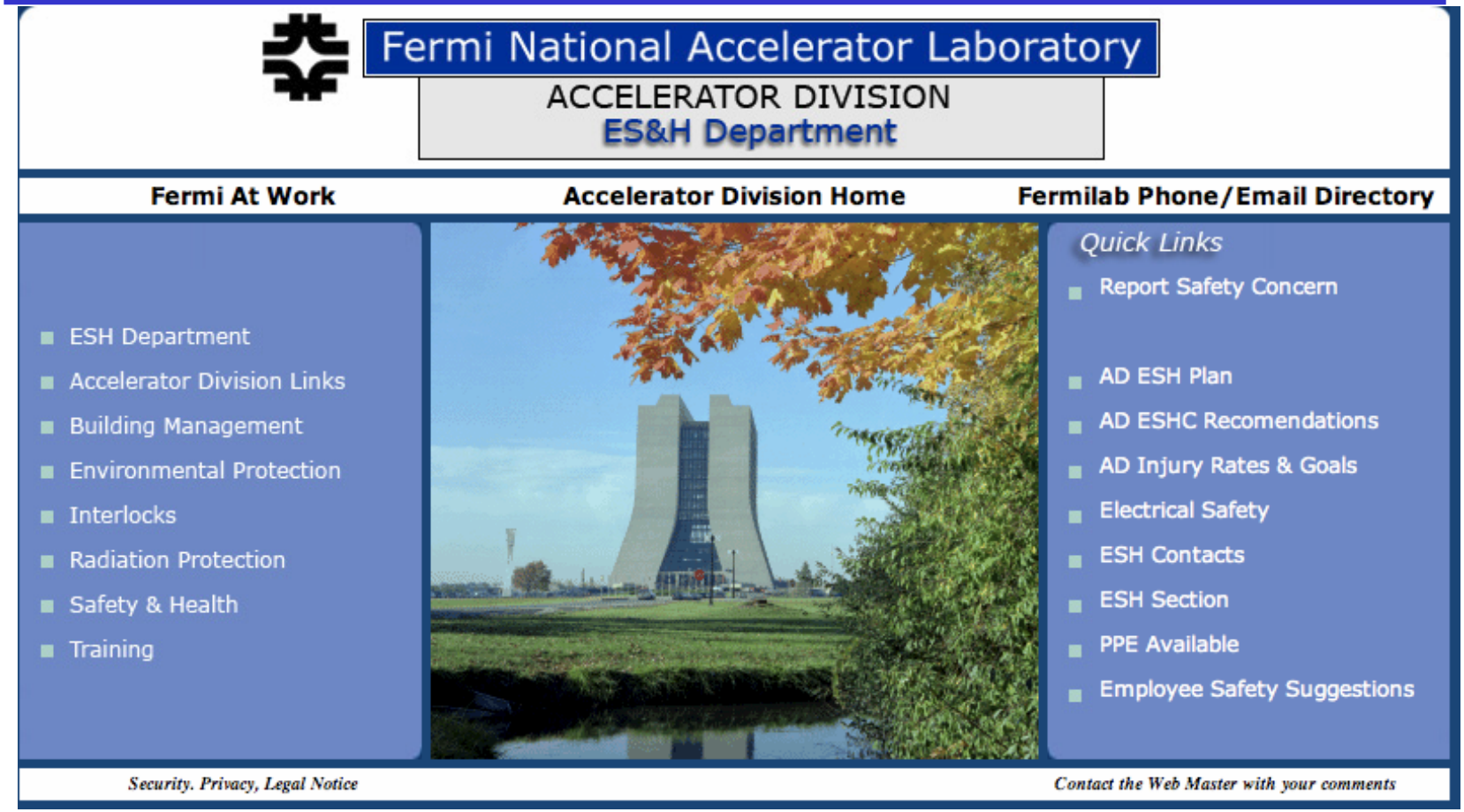
Working Safely

- Many Injuries could be avoided if you
  - Maintain an awareness of where you are and what you are doing
  - Ask for help in lifting
  - Wear appropriate personnel protective clothing and equipment
  - Plan your work-- think about the hazards
    - Always do an HA even when it is not required
  - Use the correct tools for the job
  - Be aware of what others are doing around you
  - Make certain that you have the proper training for the task at hand
  - Learn from others
    - ESH safety experts
    - Safety discussions
  - Remember that many of you work in areas with unconventional safety hazards
  - Do not let yourself be distracted
  - Use all the Safety tools you have available

Safety Tools

- Your connection to Safety tools
  - AD ES&H Department
    - Home Page-- connect through AD Main Page or go directly to http://www-bdnew.fnal.gov/esh/Default.htm
    - AD ES&H Professionals
  - AD ESHEC
  - Medical
  - ES&H Section

ES&H Department Home Page



Get here from AD Main Page or

http://www-bdnew.fnal.gov/esh/Default.htm

Report Safety Concern

Submit a Safety Concern

If your issue is urgent please contact your supervisor or SSO. If this is an emergency dial x3131.

If you wish to make an anonymous request please go to the ES&H or Security Suggestion Box.

Submitter Information

Fermi ID: **03277N**
Name: **ROGER DIXON**
E-Mail: **roger@fnal.gov**
Phone: **2576**
Group/Exp: **FL/AD**

Safety Concern

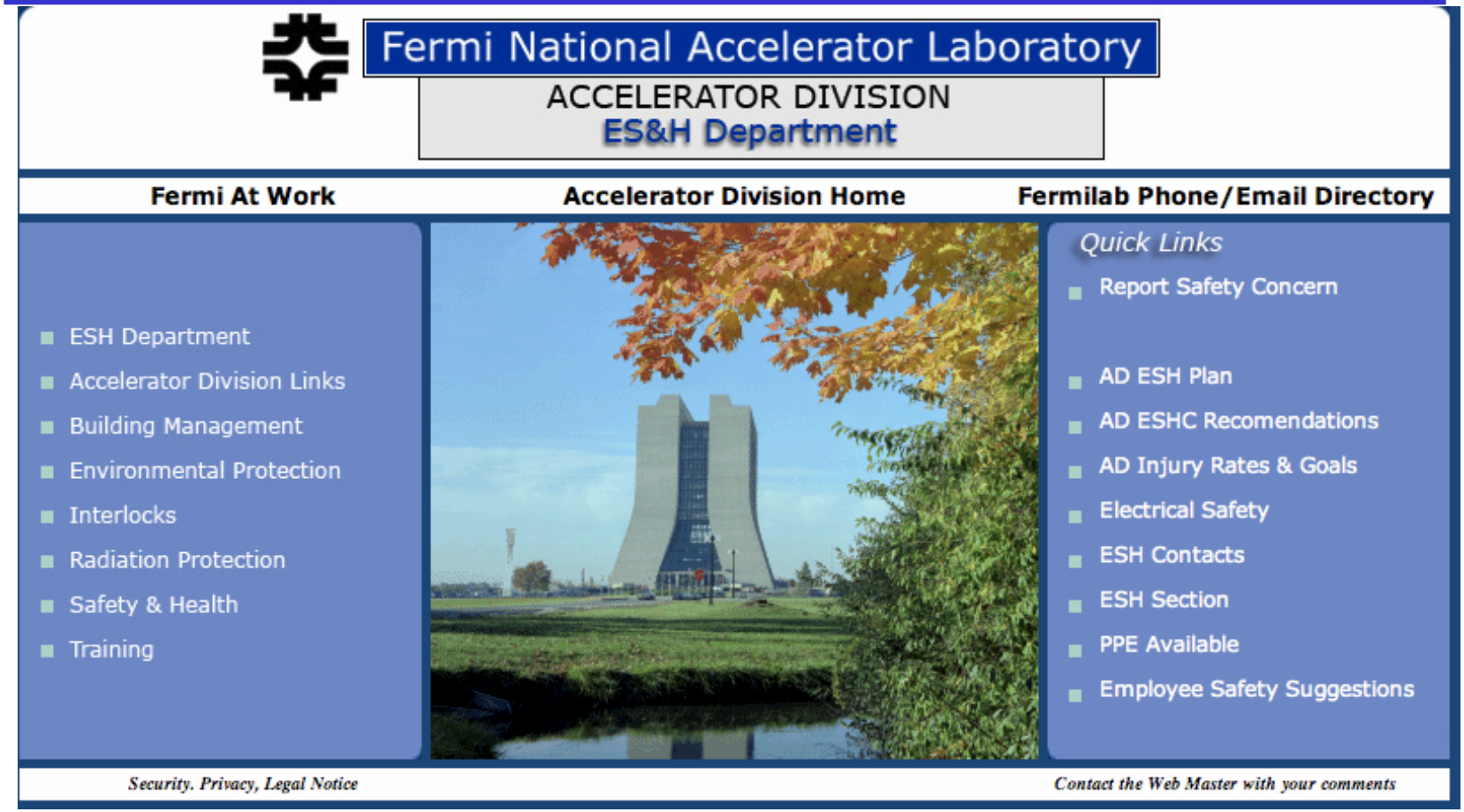
There are people from the Party Division in the tunnel working on the Tevatron who are behaving as if they do not have proper ODH training. When their oxygen monitors go off, they attempt to breathe through one nostril rather than exiting the tunnel.

Please choose the Lab Division you want your issue directed to.
If unknown then please select "ES".

AD

Submit

ES&H Department Home Page



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Safety Contacts

Fermi National Accelerator Laboratory

ACCELERATOR DIVISION
ES&H Department

Support Contact List

Accident data, CAIRS	Primary Raymond Lewis
Accident investigation	Primary Raymond Lewis Secondary David Cathey
Asbestos	Primary Mike Bonkalski
Beryllium	Primary Mike Bonkalski
Chemical analyses	Primary Sylvia Wilson Secondary Barrett Fritz
Chemical safety	Primary Mike Bonkalski
Confined spaces	Primary Mike Bonkalski Secondary Raymond Lewis
Construction safety	Primary David Cathey
Crane safety	Primary David Cathey Secondary Joel Schuett
Cryogenic safety	Primary Raymond Lewis
ES&H concerns / complaints	Primary John Anderson Jr.
Electrical safety	Primary John Anderson Jr.
Emergency preparedness	Primary Raymond Lewis

Injury Goals and Statistics

Fermi National Accelerator Laboratory

ACCELERATOR DIVISION
ES&H Department

AD Injury Rates & Goals

Injury Rates as of January 17, 2006

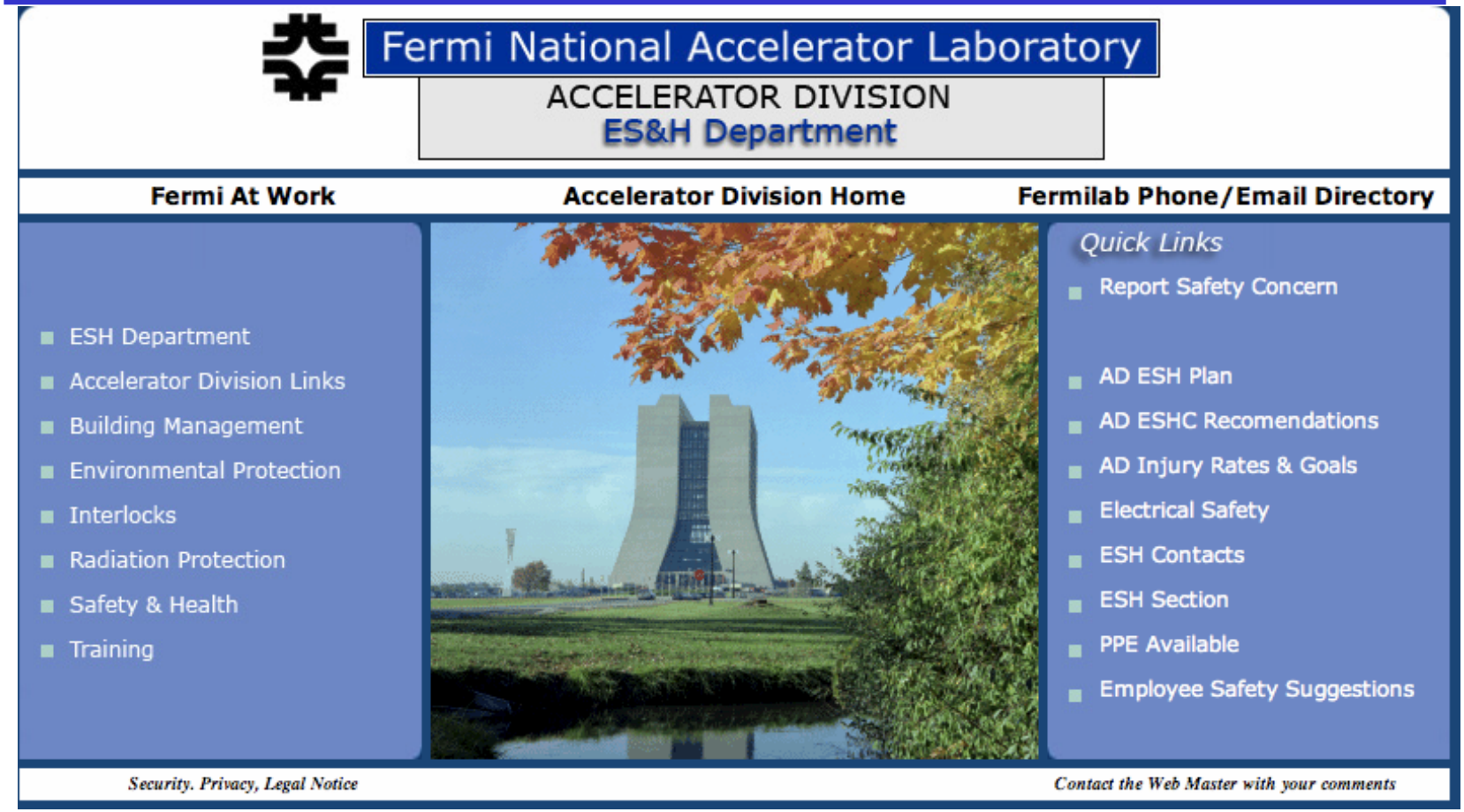
	FNAL FY06 Rate Goal	Current FNAL FY06 Rate	Current AD FY06 Rate	Current Number of FNAL Cases	Current Number of AD Cases
Recordable Cases	0.80	1.14	1.34	6	2
DART Cases	0.35	0.19	0.67	1	1

Summary of Fermilab's Recordable Injuries for December 2005

An employee suffered a fractured wrist when she fell on ice in a parking lot while leaving work for the day. The lot was poorly lit and the employee did not see the ice before stepping on it. **Recordable Case: Medical Treatment** (prescription medication, cast), **Significant Injury** (fracture)

An employee developed an infected wound a week after cutting his leg on the metal frame of a computer room tile floor while laying down on the floor to plug in equipment. The employee initially thought the wound was too superficial to require reporting, but it failed to heal and became red, prompting the employee to report to the Medical Office. **Recordable Case: Medical Treatment** (prescription medication)

ES&H Department Home Page



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AD ES&H Plan

Fermilab

Headquarters
Accelerator Division
630.840.2576 (phone)
630.840.4552 (fax)

Memorandum

November 9, 2005

To: Pier Oddone

From: Roger Dixon

Subject: FY2006 Accelerator Division ES&H Plan

In regard to your request for an ES&H Plan for FY2006, I met with my senior staff and safety officer to discuss the Accelerator Division actions. My plan is to implement the following six actions.

1. Continue our efforts to actively solicit safety suggestions and track viable suggestions to completion.

   For FY06, this on-going plan element will be facilitated by implementing improvements in safety communications within the division, specifically through an upgraded ESH Department web site. The upgraded web site will provide injury rate performance, injury summaries for lessons learned, and a link to the ESH Help Desk to better publicize the new system for communicating safety related issues.

2. Conduct a division-wide safety talk.

   I will be addressing the entire division to present the FY06 DOE accident/injury rate goals and to reiterate my expectations on safety at the laboratory.

3. Task the AD ESH Committee with reviewing the effectiveness of the AD ES&H Plan.

   I will be asking the AD ESH Committee to review the division ESH Plan and communicate with the division's departments to judge the effectiveness of the plan on improving our ESH performance.

4. Task the AD ESH Committee with coordinating and conducting a review of the AD ES&H Department.

AD ESH Committee

- Committee
  - Dave Augustine-- Chair (MSD)
  - Dave Capista (MI)
  - David Cathey (ESH)
  - John Crawford (OPS-- AD LSC)
  - Robert Hively (ESD)
- Opportunities for your input
  - Supervisor
  - ESH Department (good place for technical information)
  - Division Management
  - AD ESH Committee

Summary

- We need your help to make this work
  - Take advantage of the safety tools that are provided
  - Be aware--Do not let yourself be distracted
- Never do, or let others do, something that you feel is unsafe
  - If the job must be done, then we must find a safe way to do it
  - Raise the question of safety if you are uncertain. It is important that you be assured before you embark on any task
- It is very important to understand the priority of safety in what we do here
  - **Scientific Research and Safety-- Safety and Scientific Research-- never one without the other**